

S/181/62/004/004/028/042  
B102/B104

Determination of the effective...

InSt, the isoenergetic surfaces of the conduction band are spheres and  $\epsilon(p)$  is not quadratic. Then

$$a_{\infty} = \frac{k}{e} \left[ \frac{\int_0^{\infty} x x_0^{n-1} \frac{\partial f_0}{\partial x} dx}{\int_0^{\infty} x_0^{n-1} \frac{\partial f_0}{\partial x} dx} - \mu^* \right]. \quad (7)$$

$$x = \frac{e}{kT}; \quad x_0 = \frac{p^2}{2m_0 kT} \quad n = \frac{4}{\sqrt{\pi}} \left( \frac{2\pi m_0 kT}{h^2} \right)^{1/2} \int_0^{\infty} \sqrt{x_0} \frac{dx_0}{dx} f_0(x) dx \quad (7a)$$

$$f_0 = \frac{1}{e^{x-\mu^*} + 1}.$$

$f_0$  is the equilibrium distribution function. For Fermi degeneracy,

$$a_{\infty} = \frac{\pi}{2} \frac{k}{e} \frac{2m^*(p_F)}{p_F^2} kT. \quad (8)$$

where the quasimomentum  $p_F = h / \sqrt{3n/8\pi}$ . These relations can be used to

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S/161/62/004/004/028/042  
B102/8104

Determination of the effective...

determine  $\epsilon(p)$  experimentally when measuring the thermo-emf and the Hall constant in completely degenerate samples of different concentrations. The authors used the relations to determine the effective mass on the bottom of the band when measuring the thermo-emf in non-degenerate samples:  $a_{\infty} = f(m_0, E_g, \Delta)$ ,  $E_g$  being the forbidden-band width and  $\Delta$  the spin-orbital splitting. The relations  $a_{\infty} = \frac{k}{e} \left[ \frac{1}{2} + \frac{15}{2} b_1 \gamma - \frac{45}{4} a_1^2 - \mu_0^2 \right]$ ,  $b_1 = d_1 - d_2 + 1$ ;  $a = 1 + \frac{3}{2} (d_2 - d_1) + d_1^2 + \frac{1}{2} d_2 d_1 - \frac{5}{2} d_2^2$ ;  $d_1 = E_g / (E_g + \Delta)$ ;  $d_2 = 3E_g / (2\Delta + 3E_g)$ ;  $m^* = -\ln 2(2\pi m_0^* kT)^{3/2} / nh^3$ ;  $\gamma = kT/E_g$ , hold for arbitrary  $\epsilon(p)$ . The measurements were carried out between 90 and 150°K with two n-type InSb single crystals of similar concentrations (1.05 and  $1.15 \cdot 10^{15} \text{ cm}^{-3}$ ). Method and apparatus are described in FTT, 1, 1351, 1959. For  $E_g = 0.21$  ev and  $\Delta = 0.9$  ev, the mean value obtained for  $m_0^*$ , temperature independent in the range 100-145°K, was  $(0.0143 \pm 0.0007)m$ . With the Eqs. (4), (5) for  $\epsilon \sim p^2$ ,  $m^* = 0.0175 m$ . Within the limits of

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Determination of the effective...

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measuring error, the value for  $m_0^*$  obtained agrees with those obtained from measurements of  $\omega$ , from the Faraday effect, and the optical constants. A. I. Ansel'm, B. M. Askerov, and G. Ye. Pikus are thanked for discussions. There are 4 figures and 1 table.

ASSOCIATION: Institut poluprovodnikov AN SSSR Leningrad (Institute of Semiconductors AS USSR, Leningrad)

SUBMITTED: December 20, 1961

Card 4/4

247(00)

S/181/62/004/009/025/045  
B104/B186

AUTHORS: Drichko, I. L., Moshan, I. V., and Obraztsov, Yu. N.

TITLE: Investigation of the anisotropy in the electrical conductivity of tellurium

PERIODICAL: Fizika tverdogo tela, v. 4, no. 9, 1962, 2514-2520

TEXT: A method is presented for determining the anisotropy in the electrical conductivity of uniaxial tellurium single crystals cut out at an angle  $\phi$  relative to the C-axis of the crystal. When a current flows along the X-axis of a specimen (Fig. 1), the equipotential surfaces will lie perpendicular to the plane of the figure. On account of the anisotropy in the electrical conductivity, the equipotential surfaces form the angle  $\psi$  with the Y-axis.  $\psi$  is determined with the fixed probe  $\beta_1$  and the mobile probe  $\beta_2$ . In the apparatus, which is described in detail, the temperature is measured with thermocouples. The probe is moved by micrometer screws. The anisotropy is calculated from the measurements using

$\sqrt{3}$

Card 1/A2

S/181/62/004/009/025/045  
B104/B186

Investigation of the anisotropy of ...

$$\sigma = \frac{\sigma_1}{\sigma_0} = \frac{1 - \operatorname{tg} \phi \operatorname{tg} \varphi}{1 + \operatorname{tg} \phi \operatorname{ctg} \varphi} \quad (2)$$

$$\sigma_1 = \sigma_0 (\sin^2 \varphi - 4 \times \cos^2 \varphi) \quad (3),$$

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where  $\sigma_0$  is the electrical conductivity of the specimen cut out at the angle  $\varphi$ . The tellurium specimens were twice distilled in vacuo and melted in a hydrogen atmosphere. The single crystals were grown by slow cooling. It was found that  $K = 2.0 \pm 0.1$  and that it was temperature-independent in the range  $78 - 200^\circ\text{K}$ . There are 6 figures and 2 tables.

ASSOCIATION: Institut poluprovodnikov AN SSSR, Leningrad  
(Institute of Semiconductors AS USSR, Leningrad)

SUBMITTED: May 5, 1962  
Card 2/12

ACCESSION NR: AP4013497

S/0181/64/006/002/0414/0421

AUTHOR: Obraztsov, Yu. N.

TITLE: The theory of thermomagnetic phenomena in metals and semiconductors in quantized magnetic fields

SOURCE: Fizika tverdogo tela, v. 6, no. 2, 1964, 414-421

TOPIC TAGS: thermomagnetic electron effect, metal property, semiconductor, magnetic field, quantized magnetic field

ABSTRACT: The theory of thermomagnetic phenomena reduces to a computation of the components of the thermomagnetic tensors:  $\beta(H)$ ,  $\gamma(H)$ , and  $\chi(H)$ . These are determined by the relations

$$j_i = \sum_{k=1}^3 \left[ \sigma_{ik}(H) E_k - \beta_{ik}(H) \frac{\partial T}{\partial x_k} \right]; \quad (1)$$

and

$$w_i = \sum_{k=1}^3 \left[ \gamma_{ik}(H) E_k - \chi_{ik}(H) \frac{\partial T}{\partial x_k} \right] - \frac{e}{c} j_i, \quad (2)$$

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ACCESSION NR: APL4013497

where  $j$  is the current density,  $w$  is the flux density of the full energy (considering electrostatic),  $\sigma(H)$  and  $\chi(H)$  are the tensors of electrical and thermal conductivity in a magnetic field  $H$ ,  $T$  is the temperature, and

$$\mathbf{E}^* = \frac{1}{e} \nabla \zeta = \mathbf{E} - \frac{1}{e} \nabla \zeta_0, \quad (3)$$

where  $e$  is the charge of the electron,  $\zeta$  and  $\zeta_0$  are the electrochemical and chemical potentials, and  $E$  is the electrical field strength. It is found necessary to consider the magnetism of conduction electrons to evaluate thermomagnetic phenomena properly. This requires the application of corrections to the thermomagnetic tensors as computed above, the corrections being

$$\Delta \beta_{ik} = c \frac{dM_i}{dT},$$

where the indices  $i$ ,  $k$ , and  $l$  form a cyclical permutation, and

$$\Delta \gamma_{ik} = c M_i.$$

$M$  is the magnetic moment and  $c$  the velocity of light. "In conclusion, the author considers it his pleasant duty to express his sincere thanks for very useful discussion to A. I. Ansel'm, who suggested the problems investigated in the present

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ACCESSION NR: AP4013497

work. The author also expresses sincere thanks to L. E. Gurevich and A. L. Efros for discussing the work and for providing a number of valuable remarks." Orig. art. has: 24 formulas.

ASSOCIATION: Institut poluprovodnikov AN SSSR, Leningrad (Institute of Semiconductors AN SSSR)

SUBMITTED: 29Jul63

DATE ACQ: 03Mar64

ENCL: 00

SUB CODE: EC, SS

NO REF SOV: 009

OTHER: 005

Card 3/3

ANSEL'M, A.I.; OBRAZTSOV, Yu.N.; TARKHANYAN, R.G.

Quantum theory of thermomagnetic effects in semiconductors.  
Fiz. tver. tela 6 no.12:3620-3625 D '64 (MIRA 18:2)

1. Institut poluprovodnikov AN SSSR, Leningrad.

L 38609-65 EMT(1)/T/EWA(h) Feb IJP(c) AT  
ACCESSION NR: AP5005303

S/0181/65/007/002/0573/0581

AUTHOR: Obratov, Yu. N.

26

21

22

TITLE: Thermal emf of semiconductors in a quantizing magnetic field

SOURCE: Fizika tverdogo tela, v. 7, no. 2, 1965, 573-581

B

TOPIC TAGS: semiconductor, thermal emf, strong magnetic field, quantizing field, conduction electron, diamagnetism

ABSTRACT: In view of the fact that earlier calculations of the microscopic current density in the presence of a gradient temperature are subject to doubt when applied in the quantum region, the author has calculated the thermal emf of a semiconductor with a standard band in a strong (quantizing) magnetic field, treating the zeroth approximation in the scattering by a more rigorous method, in which the nonequilibrium density matrix need not be determined. This method is applied to the calculation of the current density. The thermal emf of a semiconductor with standard band is also calculated. The boundary conditions are taken into account with explicit form. It is then shown that the results can be reconciled with data by others when

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L 38609-65

ACCESSION NR: AP5005303

the suitable corrections are taken into account, and that in the zeroth approximation in the scattering the thermal emf is equal to the entropy of the conduction electrons divided by the total charge. This result can also be reconciled with the Onsager relations. Explicit expressions are obtained for the thermal emf in a strong magnetic field for some limiting cases (classical and quantum limits, lack of degeneracy, strong degeneracy, and oscillation in the case of strong degeneracy). "The author thanks A. I. Ansel'm for useful discussions and a review of the manuscript, and L. E. Gurevich and A. L. Efros for valuable remarks." Orig. art. has: 51 formulas.

ASSOCIATION: Institut poluprovodnikov AN SSSR, Leningrad (Institute of Semiconductors AN SSSR)

SUBMITTED: 17Aug64

ENCL: 00

SUB CODE: 88

NR REF Sov: 012

OTHER: 005

Card 2/2 20c

L 8845-66 EWT(1) IJP(c) GG

ACC NR: AP5022733

SOURCE CODE: UR/0181/65/007/009/2837/2042

AUTHOR: Ansel'm, A. I.; Obreztsov, Yu. N.; Tarkhanyan, R. G.ORG: Institute of Semiconductors AN SSSR, Leningrad (Institut poluprovodnikov AN SSSR)

TITLE: Quantum theory for thermomagnetic currents in semiconductors and metals

SOURCE: Fizika tverdogo tela, v. 7, no. 9, 1965, 2837-2842TOPIC TAGS: theoretic physics, quantum physics, thermomagnetic effect

ABSTRACT: The authors consider the problem of determining kinetic coefficients in equations for thermomagnetic phenomena in the quantum case when there is a temperature gradient. It is shown that solutions of the motion equations for the density matrix assuming local thermodynamic equilibrium lead to expressions for the current density which were proposed by Ansel'm and Askerov in 1960 (A. I. Ansel'm, B. M. Askerov, FIT, 2, 2310, 1960). The results coincide with data in recent papers on the quantum theory of thermomagnetic phenomena in semiconductors and metals. Orig. art. has: 28 formulas.

SUB CODE: 20/

SUBM DATE: 03May65/

ORIG REF: 005/

OTH REF: 003

L 22908-66 EWT(1) IJP(c) QG

ACC NR: AP6006877

SOURCE CODE: UR/0181/66/008/002/0626/0629  
39  
B

AUTHOR: Obratzsov, Yu. N.

ORG: Institute of Semiconductors, AN SSSR, Leningrad (Institute poluprovodnikov  
AN SSSR)

TITLE: Some paradoxes of quantum theory of transport phenomena (re-  
sponse to a letter by P. S. Zyryanov and V. P. Sillin)

SOURCE: Fizika tverdogo tela, v. 8, no. 2, 1966, 626-629

TOPIC TAGS: quantum theory, transport phenomenon, charged particle

ABSTRACT: The letter referred to is published in the same source (FTT v. 8, 623,  
1966; ACC NR: AP6006876) and claims that an earlier paper by the author (FTT v. 7,  
1965), dealing with certain contradictions in transport theory, contains er-  
rors. The author reviews the paradoxes in question, which he attributes to an er-  
roneous identification of the microscopic and macroscopic flux densities, and re-  
peats that his approach resolves these paradoxes, whereas the approach of his  
critics does not, since they again failed to reconcile the microscopic and macro-  
scopic flux densities. References to papers by others are cited in defense of his  
position. Orig. art. has: 2 formulas.

SUB CODE: 20/ SUBM DATE: 04Oct65/ ORIG REF: 014/ OTH REF: 002  
2

Card 1/1 BLG

L 30340-66 EWT(1)/ETC(f)/T IJP(c) AT

ACC NR: AP6018538

SOURCE CODE: UR/0181/66/008/006/1772/1775

AUTHOR: Obraztsov, Yu. N.

58

B

ORG: Institute of Semiconductors, AN SSSR, Leningrad (Institut poluprovodnikov  
AN SSSR)

TITLE: Quantum oscillations of the thermal emf in a transverse magnetic field

SOURCE: Fizika tverdogo tela, v. 8, no. 6, 1966, 1772-1775

TOPIC TAGS: oscillation, thermoelectric property, magnetic effect, semiconductor research

ABSTRACT: The thermal emf due to the carrier diffusion in a transverse magnetic field perpendicular to the temperature gradient was calculated for a degenerate semiconductor with a spherically symmetrical band close to the quantum limit. In this particular case, which corresponds to the filling of the lowest Landau levels, large-amplitude oscillations of the thermal emf have been observed in a number of semiconductors. Starting from the expression for the thermal emf

$$\alpha = \frac{S}{ne},$$

(where S is the entropy, n is the electron concentration, and e is the electron charge) —

Card 1/2

L 30340-66

ACC NR: AP6018538

and substituting for  $S$  an expression derived for the thermodynamic potential, the following formula was obtained

$$\epsilon = -\frac{3\sqrt{\pi}}{8} \cdot \frac{1}{e} \frac{A^2}{kT} \sum \varphi(\zeta),$$

where

$$\zeta_r = \frac{\zeta_r}{kT} = \frac{A^2}{2\pi kT} (3\pi^2 n)^{1/2},$$

$$\varphi(\zeta) = \frac{3}{2} \mathcal{F}_{1/2}(\zeta) - \zeta_r \mathcal{F}_{-1/2}(\zeta).$$

The dependence of the thermal emf on the magnetic field was then determined by the function  $\phi(z)$ , which had a maximum at  $z = 1.31$ , reaching at this value  $\phi(1.31) = 1.35$ . The formula for the emf was subsequently recalculated for a strongly degenerate semi-conductor. The position of the magnetic field maxima was shown to coincide approximately with the position of the maxima of the magneto-resistance. Orig. art. has: 25 formulas and 1 figure.

SUB CODE: 20/ SUBM DATE: 03Nov65/ ORIG REF: 008/ ATD PRESS: 5016  
[ZL]

Card 2/2 CC

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001237720003-6

OPACITY KUM, J. L.

Parade, J. L. and Oleg Averyanov, "Soviet Leadership and the USSR," in  
ed., "Russia's Future," Vol. 1, 1988, pp. 1-10; 1988.

See: Gorbachev, Mikhail, "Russia and the West," 1988.

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001237720003-6"

DEPT. OF STATE, W. W.

RE: URGENT. "MEMORANDUM FOR THE SECRETARY OF STATE  
RE: APPROVAL OF THE DRAFT TREATY BETWEEN THE UNITED STATES AND  
THE SOVIET UNION ON TRADE, COMMERCE, ETC., IV, 1961, 1961."

See: 1-3061, 1st April 1961, Letter from the Secretary of State, to the USSR.

OBRAZTSOVA, A. A.

Obraztsova, A. A. "Experience in mechanical removal of 'warts' from man", Sbornik nauchno-tekhnicheskikh trudov kurorta Saki, Vol. IV, 1948, p. 53-58.

So: U-3261, 10 April 1953, (letopis 'Zhurnal 'nykh Stately, No. 12, 1949').

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001237720003-6

OBRAZTSOVA, A. A.

"The Significance of Phosphorus in the Activation of Azotobacter Preparations",  
The Works of the Gor'skiy Agricultural Institute, Vol. 6, No. 2, pp. 45-52, 1950.

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001237720003-6"

OBRAZTSOVA, A.A.; PETRENKO, M.B.; KLISHCHEVSKAYA, M.S.

Participation of rhizosphere micro-organisms in the nutrition and development of agricultural plants grown in deep Chernozem soil. Trudy Inst. mikrobiol. no.11:81-90 '61  
(MIRA 16:11)

1. Ukrainskiy nauchno-issledovatel'skiy institut pochvodeniya imeni A.N.Sokolovskogo.

USSR/Farm Animals. Swine.

2-2

Abs Jour: Ref Zhur - Biol., No. 22, 1953, 101183

Author : Leonov, N.I., Pivnyak, I.G., Obraztsova, A.S.

Inst : All-Union Scientific Research Institute of Animal Husbandry.

Title : Studying the Effective Utilization of Biomycin and Its Dry Waste in Meat Fattening of Swine.

Orig Pub: Byul. nauchno-tekh. inform. Vses. n.-i. in-t zhivotnovodstva, 1957, No. 2 (4), 19-21

Abstract: When swine received 140 g of dry biomycin waste per each kg of live weight for a period of 4 months with their daily rations, they showed weight gain increases of 16-18 percent, and a 6 percent better utilization of fodder as compared to controls which did not receive antibiotics.

Card 1/1

Country : USSR  
Category : Farm Animals.  
General Problems.  
Abs. Jour : Ref Zhur-Biol., No 21, 1958, 96817 Q  
Author : Yefimov, F. F.; Obraztsova, A. S.  
Institut. : All-Union Scientific Research Institute of\*  
Title : The Utilization of Urea as Fertilizer and as  
a Partial Protein Substitute in Animal Rations.  
Orig Pub. : Byul. nauchno-tekh. inform. Vses. n.-i. in-t  
zhivotnovodstva, 1957, No 2 (4), 40-43  
Abstract : One tract of land was fertilized in field tests  
by urea, another by salpeter. The corn crop of  
the first tract amounted to 100 percent, of  
the second to 63 percent. An experiment was  
performed with 8-9 months old calves. The first  
group received corn silage derived from the  
field fertilized with urea, the second - from  
the field fertilized with salpeter, the third  
- from the control field, the fourth - from  
the control field with additional 90 g of urea

Card:

1/2

\*Animal Husbandry.

13

OBRAZTSOVA, A.S.

YEFIMOV, F.F., kandidat sel'skokhozyaystvennykh nauk; OBRAZTSOVA, A.S.

Urea, effective nitrogen fertilizer. Nauka i pered. op. v sel'khoz.  
7 no.4:31-32 Ap '57.  
(MIRA 10:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhivotnovodstva  
(for Obrastsova).

(Urea)

OBRAZTSOVA, Galina Alekseyevna; CHERNIGOVSKIY, V.N., akademik,  
otv. red.

[Ontogenetic problems of higher nervous activity] Vop-  
rosy ontogeneza vysshei nervnoi deiatel'nosti. Moskva,  
Nauka, 1964. 200 p.  
(MIRA 17:11)

OBEAZTSOVA, G.A.

[On certain features of the interaction of food and Protective  
(Acidic) reflexes] O nekotorykh osobennostakh vzaimodeistvija  
mezdu pishchevymi i oboronitel'nymi (kislotnymi) refleksami.  
Tr.Fiziol.laborat. Pavlova 16:157-161 '49. (CML 19:1)

1. Of the Institute of Evolutionary Physiology and Pathology of  
Higher Nervous Activity imeni Academician I.P.Pavlov of the  
Academy of Medical Sciences USSR (Director -- Academician L.A.  
Orbeli).

OBRAZTSOV, G. A.

VOLOKHOV, A.A; OBRAZTSOVA, G.A.

Effect of decreased partial oxygen pressure on the function of the nervous system in ontogenesis; disturbance of the locomotor function in hypoxia. Fiziol.sh.SSSR 36 no.4:450-456 July-Aug 50.  
(CIML 20:4)

1. Institute of Evolutionary Physiology and Pathology of Higher Nervous Activity imeni Academician I.P.Pavlov of the Academy of Medical Sciences.

VOLOKHOV, I. N.

VOLOKHOV, A.A; OBRAZTSOVA, G.A.

Effect of decreased partial oxygen pressure on the function of the nervous system in ontogenesis; modification of respiratory function in hypoxia. Fiziol.zh.SSSR 36 no.5:545-551 Sept-Oct 50. (CIML 20:4)

1. Institute of Evolutionary Physiology and Pathology of Higher Nervous Activity imeni Academician I.P. Pavlov of the Academy of Medical Sciences USSR.
2. Experiments conducted on rabbits.

OBRASZTSOVA. G. A.

VOLOKHOV, A. A.; OBRASZTSOVA, G. A.

Effect of exclusion of the visual apparatus in early ontogenesis  
on subsequent development of the reflex function. Fisiol. zh.  
SSSR 37 no. 4:453-460 July-Aug. 1951.  
(CML 21:3)

1. Institute of Physiology imeni Academician I. P. Pavlov of the  
Academy of Medical Sciences USSR.

OBRAZTSOVA, G.A.; TROSHIKHIN, V.A., zavedyushchiy.

Origin and development of conditioned reflex activity in a rabbit during  
ontogenesis. Trudy Inst. fiziolog. 1:166-177 '52. (KLR 6:8)

1. Laboratoriya ontogeneza vysshey nervnoy deyatelnosti.

(Conditioned response)

OBRAZTSOVA, G.A.; TROSHIKHIN, V.A., zaveduyushchiy.

Effect of blocking out the vestibular apparatus upon general development and reflex activity in a rabbit during ontogenesis. Trudy Inst. fiziol. 1:173-180  
'52.  
(MLIA 6:8)

1. Laboratoriya ontogenetika vyschey nervnoy deyatel'nosti.  
(Conditioned response) (Labyrinth (Ear))

OBRAZTSOVA, G.A.

Mobility of neural processes in the ontogenesis of rabbits. Trudy  
Inst.fiziol. no.2:411-417 '53.  
(MLRA 7:5)

1. Laboratoriya srovnitel'nogo ontogenesa vyschey nervnoy deyatel'nosti  
(zaveduyushchiy - V.A.Troshikhin). (Nervous system--Mammals) (Rabbits)

OBRAZISOVA, G. A.

Peculiarities of disorders of the nervous function in hypoxia in  
ontogenesis. Fiziol. zh. SSSR 39 no.3:339-345 May-June 1953.

1. Institute of Physiology imeni I. P. Pavlov of the Academy of  
Sciences USSR. (CIML 25:1)

OBRAZTSOVA, G.A.

Appearance and development of conditioned head-shaking reflex  
in the ontogenesis of dogs. Fiziol.zhur.41 no.5:593-600 S-0  
'55.  
(MLRA 8:12)

1. Laboratoriya sravnitel'nogo ontogeneza vysshey nervnoy  
deyatel'nosti Instituta fiziologii im. I.P.Pavlova Akademii  
Nauk SSSR, Leningrad.

(REFLEX, CONDITIONED

defense reflex, appearance & develop. in ontogenesis  
in dog)

(AGING,

age factor in defense conditioned reflex appearance  
& develop. in dog.)

OBRATSOVA, G.A.

Formation of conditioned reflexes from cutaneous analysors in dogs  
and rabbits in ontogenesis. Zhur.vys.nerv.deiat. 6 no.6:837-845  
N-D '56.  
(MLR 10:2)

1. Laboratoriya sravnitel'nogo ontogenetika vysshey deyatel'nosti  
Instituta fiziologii imeni I.P.Pavlova Akademii nauk SSSR.  
(REFLEX, CONDITIONED)  
form. of reflexes to tactile irritation of skin in dogs &  
rabbits in ontogenesis)

USSR / Human and Animal Physiology (Normal and Pathological).  
Nervous System.

T

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 60694

Author : Obraztsova, G. A.; Pigareva, Z. D.

Inst : Not given

Title : The Decortication Effect in Early Ontogenesis on the  
Vestibular Nystagmus and Activity of the Enzymatic  
Systems of the Brain

Orig Pub : Fiziol. zh. SSSR, 1957, 43, No 6, 503-510

Abstract : In 14 rabbits aged 4 - 16 days, after a double removal of  
the cerebral cortex the washing and scratching reflex  
became stronger, and subsequently after functional  
compensation, came back to normal. The excitability of  
the vestibular apparatus and the oxidizing enzyme activity  
in the cerebellum in most of the operated animals was  
increased. Later on, after the operation in some rabbits

Card 1/2

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MALYUGINA, L.L., OBRAZTSOVA, G.A.

Development of malignant tumors in rabbits with various typological characteristics of the nervous system [with summary in English].  
Zhur.vys.nerv.deiat. 8 no.5:758-765 S-0 '58 (MIRA 12:1)

1. Laboratoriya sravnitel'nogo ontogeneza vysshy nervnoy deyatel'nosti Instituta fiziologii im. I.P. Pavlova AN SSSR i laboratoriya eksperimental'noy onkologii Instituta onkologii AMN SSSR.

(NEOPLASMS, exper.

carcinogenesis in rabbits with various types of NS  
(Rus))

(CENTRAL NERVOUS SYSTEM, physiol.

types} related to exper. carcinogenesis in rabbits  
(Rus))

OBRAZTSOVA, G.A.

Characteristics of the vestigial conditioned defensive reflexes in  
the ontogenesis of a dog. Nauch. soob. Inst. fiziol. AN SSSR no.1:  
58-60 '59.  
(MIRA 14:10)

1. Laboratoriya sravnitel'nogo ontogeneza nervnoy deyatel'mosti  
(zav. - V.A.Troshikhin) Instituta fiziologii imeni Pavlova  
AN SSSR.

(CONDITIONED RESPONSE) (ONTOGENY)

OBEAZTSOVA, G.A.; FEDOROV, Vikt.K.

Effect of exclusion of the optic analyzer for a number of generations on the conditioned reflex activity of mice. Trudy Inst. fiziol. 8:165-171 '59.  
(MIRA 13:5)

1. Laboratoriya srovnitel'nogo ontogeneza vysshykh nervnykh deyatel'nostei (zaveduyushchiy - V.A. Treshikhin) i Gruppa fiziologii tipa vysshykh nervnykh deyatel'nostei zhivotnykh (zaveduyushchiy - Vikt.K. Fedorov) Instituta fiziologii im. I.P. Pavlova AN SSSR.  
(VISION) (CONDITIONED RESPONSE)

VOLOKHOV, A.A.; OBRAZTSOVA, G.A.

Effect of removal of the cerebral cortex and subcortical formations of the brain on the course of hypoxic phenomena at different periods of ontogeny. Mat. po evol. fiziol. 4:100-104 '60.

(ANOXEMIA) (BRAIN)

(MIRA 13:10)

VAVILOVA, N.M. (Koltushi); KLYAVINA, M.P. (Koltushi); OBRAZTSOVA, G.A.  
(Koltushi); TROSHIKHIN, V.A. (Koltushi)

Certain trends of research on the ontogenesis of the central nervous  
system in animals. Us.p sovr. biol. 49 no.1:104-114 Ja-F '60.

(NERVOUS SYSTEM)

(ONTOGENY)

(MIRA 14:5)

OBRAZTSOVA, G. A., Doc Bio Sci -- "Formation and development  
of higher nervous activity <sup>of</sup> in animals in ontogenesis."  
Len, 1961. (Len Order of Lenin State U im A. A. Zhdanov)  
(KL, 8-61, 235)

- 125 -

OBRAZTSOVA, Galina Alekseyevna; VOYNO-YASENETSKIY, A.V., otv. red.; GOL'DAN-SKAYA, M.I., red. izd-va; ZAMARAYEVA, R.A., tekhn. red.

[Formation of the vestibular function in ontogenesis] Formirovanie vestibuliarnoi funktsii v ontogeneze. Moskva, Izd-vo Akad. nauk SSSR, 1961. 129 p.  
(MIRA 14:8)  
(Vestibular apparatus)

VAVILLOVA, N.M.; OBRAZTSOVA, G.A.

Comparative characteristics of trace food and defense conditioned reflexes in dogs during ontogenesis. Zhur. vys. nerv. deiat. 11 no.1:112-118 Ja-F '61. (MIRA 14:5)

1. Laboratory of Comparative Ontogenesis of Higher Nervous Activity,  
Pavlov Institute of Physiology, U.S.S.R. Academy of Sciences, Koltushi.  
(CONDITIONED RESPONSE)

VAVILOVA, N.M.; KLYAVINA, M.P.; OBRAZTSOVA, G.A.; TROSHIKHIN, V.A.

Correlation of the typological properties of higher nervous activity and the course of pathological processes. Zhur. vys. nerv. deiat. 11 no.6:1038-1043 N-D '61. (MIRA 15:3)

1. Laboratory of Comparative Ontogenesis of the Higher Nervous Activity, Pavlov Institute of Physiology, U.S.S.R. Academy of Sciences, Koltushi.  
(NEUROSES) (NERVOUS SYSTEM) (CANCER) (PLAGUE)

OERAZTSOVA, G.A.

Dynamics of the changes in the lability of the neural processes  
in the rabbit during ontogenesis. Zhur.vys.nerv.deiat. 12 no.1:  
155-160 Ja-F '62. (MIRA 15:12)

1. Laboratory of Comparative Ontogenesis of Higher Nervous  
Activity, Pavlov Institute of Physiology, U.S.S.R. Academy of  
Sciences, Koltushi.

(CONDITIONED RESPONSE) (AGING)

OBRAZTSOVA, G.A.

Periods of development of higher nervous activity in the early postnatal ontogenesis in rabbits and dogs. Zhur. vys. nerv. deiat. 14 no. 4:644-651 Jl-Ag '64. (MIRA 17,12)

1. Pavlov Institute of Physiology, U.S.S.R. Academy of Sciences, Koltushi.

VAVILOVA, N.M.; KOBAKOVA, Ye.M.; OBRAZTSOVA, G.A.; TROSHIKHIN, V.P.

Characteristics of the individual properties of the higher nervous system in dogs based on the alimentary and defensive methodologies. Nauch.sob. Inst.fiziol. AN SSSR no.3:25-29 '65.

(MIRA 18:5)

1. Laboratoriya sramnitel'noe ontogeneza vyshey nervnyy deyatel'nosti (zav. - G.A.Obraztsova) Instituta fiziologii imenu Pavlova AN SSSR.

L 29177-66 EWT(1) SCTB DD  
ACC NR: AP6018886

SOURCE CODE: UR/0020/65/160/003/0734/0736

AUTHOR: Fedorov, V. K.; Obratsova, G. A.; Nudman, S. I.

ORG: Institute of Physiology im. I. P. Pavlov, AN SSSR (Institut fisiologii AN SSSR)

TITLE: Influence of vestibular stimulation on the higher nervous activity of rats

SOURCE: AN SSSR, Doklady, v. 160, no. 3, 734-736

TOPIC TAGS: rat, conditioned reflex, neurophysiology

ABSTRACT: The higher nervous activity was characterized under the influence of vestibular stimulation on the basis of the following criteria: 1) number of absolutely correct reactions - running in the direction corresponding to the conditioned signal; 2) number of signal reactions - running according to the signal before the unconditioned stimulus was turned on; 3) number of erroneous reactions; 4) latent period of the reflex - time from the moment when the conditioned stimulus was turned on until the animal emerged from the maze; 5) time of the motor reaction - duration of running of the animal. Vestibular stimulation was produced by rotating the animal in a centrifuge at 60 rpm. After adequate vestibular stimulation, the indices of the conditioned reflex activity related to the selection of the direction of the motor

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L 29177-66

ACC NR: AP6018886

reaction were affected first and most intensively. The influence exerted less of an effect on the time parameters - the latent period and time of running. Vestibular stimulation disturbed the motor conditioned reflexes formed to sound signals to a greater degree than those formed to light signals. This must be considered in creating stereotypes for conditioned reactions directed toward increasing the effectiveness of rotational conditioning. The direction of the rotation was found to have no significance in the disturbances of the conditioned reflexes developed to signals from the optical and auditory analyzers. This paper was presented by Academician V. N. Chernigovskiy on May 29, 1964. [JPN]

SUB CODE: 06/ SUBM DATE: 19May64 / ORIG REF: 004 /

Card 2/2

OBAZISOVA, L. A.

OBAZISOVA, L. A.--"Damage to the Meniscus of the Knee Joint."\*(Dissertation for Degrees in Science and Engineering Defended at USSR Higher Educational Institutions.) Min of Health Protection RSFSR, Sverdlovsk State Medical Inst, Sverdlovsk, 1985

30: Knizhnaya Letopis' No. 25, 18 Jun 85

\* For Degree of Candidate of Medical Sciences

OBRAZTSOVA, M.S., dotsent (Sarator); VARSHAMOV, L.A., professor, direktor.

Pathogenesis and hemodynamic disorders in arterial hypotension. Klin.med.  
31 no.7:42-45 Jl '53. (MLR 6:9)

1. Fakulteteskaya terapevticheskaya klinika Saratovskogo meditsinskogo instituta.  
(Hypotension)

OBRAZTSOVA, M. S. Doc Med Sci -- (diss) "Clinical Aspects, Etiology  
and Pathogenesis of Primary Arterial Hypotonia (Hypotonic Disease)." Saratov, 1957. 18 pp 19 cm. (Min of Health RSFSR, Saratov State Medical Inst), 200 copies (KL, 26-57, 112)

- 105 -

OBRAZTSOVA, Mariya Semenovna

Clinic of Aetiology and Pathology of Primary Arterial Hypotension  
(hypo-tonical disease)

Dissertation for the degree of Doctor of Medical Science. Chair of  
the Department of Therapeutics (lechfaka) (Head, Prof. L. V. Marshakov)  
Samara Medical Institute, 1957

PETROV, V. I.; TUROVSKAYA, Ye. B.; OBRAZTSOVA, M. Ye. (Dnepropetrovsk)

Possibility of mercury contamination of physics laboratories in  
high schools. Gig. truda i prof. zab. no.2:58 '62.  
(MIRA 15:2)

1. Gorodskaya i rayonnaya sanitarno-epidemiologicheskiye stantsii.  
(MERCURY--TOXICOLOGY) (SCHOOL HYGIENE)

BELOV, N.V., inzh.; NOYEV, V.N., inzh.; QBRAZTSOVA, N.V., inzh., red.;  
YALYSHEV, Z.S., inzh., red.; KOPEYKINA, L.V., red.

[Methods of industrial thermochemical testing of barrel  
boilers] Metodika ekspluatatsionnykh teplokhimicheskikh  
ispytanii barabannykh kotlov. Moskva, Izd-vo "Energia,"  
1964. 126 p. (MIRA 17:6)

1. ORGRES, trust, Moscow.

OBRAZTSOVA, R. G., Cand Med Sci -- (diss) "Clinico-morphological characteristics of astrocytes of the great cerebral hemisphere." Sverdlovsk, 1960. 22 pp; (Sverdlovsk State Medical Inst); 200 copies; price not given; (KL, 2-60, 139)

SHEFER, D.G., prof.; OBRAZTSOVA, R.G., assistant (Sverdlovsk)

Clinical aspects and morphology of dedifferentiated (atypical)  
astrocytoma of the cerebral hemispheres. Vop.neirokhir. 25  
no.1:32-36 Ja '61. (MIRA 14:2)

(BRAIN--TUMORS)

SHEFER, D.G., prof.; OBRAZTSOVA, R.G., kand.med.nauk; UDINTSEVA, A.A.  
(Sverdlovsk)

Differential diagnosis of astrocytomas and arachnoid endotheliomas  
of the cerebrum. Vop.neirokhir. no.4:41-43 '62. (MIRA 15:9)  
(BRAIN—TUMORS) (ELECTROENCEPHALOGRAPHY)  
(DIAGNOSIS, DIFFERENTIAL)

VINOGRADOV, A.N.; LIVSHIN, G.L.; OBRASITSOVA, R.I.; TULUPOV, L.P.;  
Prinimali uchastiye: RAZORENOVA, L.K., inzh.; DUBINKINA,  
L.I., inzh.; PODGORNYKH, A.L., inzh.; LAVRENT'YEV, K.V.,  
retsenzent; MINAKOV, A.D., retsenzent; NESTEROV, Ye.P.,  
retsenzent; STEFANOV, N.Ya., retsenzent; USHAKOV, P.S.,  
retsenzent; KRISHTAL', L.I., red.; KHITROVA, N.A., tekhn.  
red.

[Calculating machines in accounting, planning and administra-  
tion in railroad transportation] Vychislitel'naya tekhnika v  
uchete, planirovani i upravlenii na zheleznodorozhnom trans-  
porte. [By] A.N.Vinogradov i dr. Moskva, Transzheldorizdat,  
(MIRA 17:2)  
1963. 407 p.

OBRAZTSOVA, R.I., kand. ekon. nauk

Over-all mechanization of computing and calculating operations.  
Trudy MTEI no.10:144-167 '58. (MIRA 12:2)  
(Railroads--Statistics) (Electronic calculating machines)

OBRAZTSOVA, R.I., kand.ekonomiceskikh nauk

Electronic digital computers and their use in economic calculations.  
Trudy MIIT no.145:88-110 '62. (MIRA 15:5)  
(Railroads--Management) (Electronic digital computers)

CA

ISA

Effect of lithium on development of *Ocimum canum*  
V. I. Obratsova (Dnepropetrovsk State Univ.) *Doklady*  
*Nauk SSSR*, 58, 675-4 (1947) — Seeds of the plant were  
kept 5 days at 20°, then treated with solns. of trace elements,  
and planted in soil cultures. If the seeds are pretreated with  
LiSO<sub>4</sub> (0.001-0.001%), the plants develop more rapidly  
and display more abundant and earlier flowering. The el-  
ement reaches 200-300% over controls. Yields of plant matter  
and of essential oil rise by almost 40% after treatment with  
0.001% Li soin.  
G. M. Kosulapoff

OBRAZTSOVA, V.I.  
ERO, E.L.; GALINOVSKAYA, S.V.; KRASIN, A.Ya.; OBRAZTSOVA, V.I.

Fertilizer in flower cultivation. Biul.Glav.bot. sada no.17:103-105  
'54. (MIRA 8:3)  
(Floriculture) (Fertilizers and manures)

OBRATUJU, V. I.

EBO, E.L.; OBRAZTSOVA, V.I.

Use of granulated fertilizers in floriculture. Biul.Glav.bot. sada  
no.17:105-106 '54. (MIRA 8:3)

1. Botanicheskiy sad Dnepropetrovskogo gosudarstvennogo universiteta.  
(Floriculture) (Fertilizers and manures)

OBRAZTSOVA, V.I.

Winter transpiration in trees and shrubs in the Ukrainian  
steppe region [with English summary in insert]. Fiziol.  
rast. 3 no.5:409-413 S-0 '56. (MLRA 9:12)

1. Dnepropetrovskiy gosudarstvennyy universitet,  
Dnepropetrovsk.  
(Ukraine--Trees) (Plants--Transpiration)

OBRAZTSOVA, V.I., kand.biol.nauk. (Dnepropetrovsk)

Thermal hardiness of plants. Nauka i zhyttia 9 no.12:42-44  
D 59. (MIRA 13:4)  
(Plants, Effects of temperature on)

OBRAZTSOVA, V.I.

Heat resistance in trees and shrubs. Nauch.dokl.vys.shkoly: biol.  
nauki no.4:162-166 '60. (MIRA 13:11)

1. Rekomendovana kafedroy fiziologii rasteniy Dnepropetrovskogo  
gosudarstvennogo universiteta im. 300-letiya vossoyedineniya Ukrayny  
s Rossiyey.

(UKRAINE--PLANTS, EFFECT OF HEAT ON)  
(TREES)  
(SHRUBS)

OBRAZTSOVA, Ye.A.

Work practice of a psychoneurological dispensary. Sov. zdrav. 14  
no.6:39-43 N-D '55. (MLRA 9:2)

1. Glavnyy vrach psichho-nevrologicheskogo dispansera Sokol'nicheeskogo  
rayona Moskvy.  
(OUTPATIENT SERVICES,  
psychiat., in Russia)  
(PSYCHIATRY,  
outpatient serv. in Russia)

KARASIK, N.S., otv. red.; OBRAZTSOVA, Ye.A., red.

[Instructions on the design of rural telephone networks]  
Ukazaniia po proektirovaniu sel'skikh telefonnykh setei.  
Moskva, Izd-vo "Sviaz'," 1944. 187 p. (MIRA 17:6.)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye gorodskoy  
i sel'skoy telefonnye svyazi i radiofikatsii.

KRISTAL'NYY, Vladimir Samoylovich; KITAYEV, V.Ye., retsenzent;  
IVANNIKOVA, S.N., retsenzent; KURNETOV, S.N., civ. red.  
CHRAZOVVA, Ye.A., rei.

[Electrician of long-distance telephone exchanges] Monter  
mezhdugorodniy telefonnyi stanitsi. Moskva, Sviaz', 367 p.  
(3.1.1.1'; 2)

INDRA. Ladislav: SHLAPAK, Frantisek [Slapak, Frantisek]; POLIÁK,  
M.U., očv. red., OBRAZTSOVA, Ye.A., red.

[High-frequency KNK-6S telephone equipment for use in rural  
areas] Apparatura vysokochastotnogo telefonirovaniia KNK-6S  
dlia sela; informatsionnyi sbornik. Moskva, Sviaz', 1965.  
53 p. (MI:SA 18:4.)

LIVSHITS, B.S.; MELAMUD, E.A.; YELEKOYeva, E.K.; MOVSHOVICH,  
I.Kh.; KHANIN, G.B.; PODVIDZ, M.M., dots.; METEL'SKIY,  
G.B., otv. red.; OBRAZTSOVA, Ye.A., red.

[Rural crossbar automatic exchange K-100/2000] Sel'skaia  
koordinatnaia ATS K-100/2000; informatsionnyi sbornik.  
Moskva, Sviaz', 1965. 136 p. (MIRA 18:11)

1. Nauchno-issledovatel'skiy institut gorodskoy i sel'skoy  
telefonnoy svyazi Ministerstva svyazi SSSR (for all except  
Metel'skiy, Obraztsova).

KOPP, Mark Filippovich; KHARKEVICH, Anatol'y Dem'yanovich; CHILOV,  
Oleg Semenovich; SAMOYLENKO, Yevgeniy Andrianovich;  
MARKOVICH, Aleksandr Yakovlevich; RESHETNIKOV, N.V.;  
retsenzent; METEL'SKIY, G.B., otv. red.; OBRAZTSOVA, Ye.A.,  
red.

[Textbook on telephony] Zadachnik po telefonii. [By] M.F.Kopp  
i dr. Moskva, Sviaz', 1965. 279 p. (MIRA 18:3)

ACC NR: AP/002874

(A,N)

SOURCE CODE: UR/0201/66/000/004/0005/0011

AUTHOR: Krasin, A. K.; Litvinenko, B. A.; Savushkin, I. A.; Obraztsova, Ye. A.

ORG: none

TITLE: Calculation of the radiation endurance of a boron-containing radiation element in the IRT-2000 loop installation

SOURCE: AN BSSR. Vestsi. Seryya fizika-tehnichnykh navuk, no. 4, 1966, 5-11

TOPIC TAGS: nuclear reactor technology, reactor neutron flux, nuclear radiation, radiation chemistry, boron/ IRT-2000 reactor

ABSTRACT: The authors present the results of calculations aimed at checking the feasibility of using fuel rods containing boron glass fiber (filament diameter 5 - 7  $\mu$ ) and placed in the center of the IRT-2000 reactor. The radiation element was made of seven steel tubes (14 mm in diameter), forming a bundle, each tube being filled with boron glass enriched by 90% with  $B^{10}$ . The glass contained 80% (by weight) of  $B^{10}$  enriched to 90%. The calculations yield the optimal  $B^{10}$  concentration, the radiation power (the energy absorbed in the reagent), and also the change effected in the reactivity of the reactor by placing of the boron-containing element in the center of the reactor. The calculations demonstrate the feasibility of obtaining a sufficiently high radiation power with this type of element, sufficient for radiation-chemistry research. An effective way of increasing the radiation power is to increase the content of the  $B^{10}$  in the fiberglass filaments. In the particular

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ACC NR: AP7002874

reactor employed, with a neutron flux  $\sim 6 \times 10^{12}$  neut/cm<sup>2</sup>-sec thermal and  $\sim 1.4 \times 10^{13}$  neut/cm<sup>2</sup>-sec intermediate, the reactivity margin was found to be quite high (~4.2%).  
Orig. art. has: 4 figures and 8 formulas.

SUB CODE: 18/ SUBM DATE: 12Jun66/ ORIG REF: 003/ OTH REF: 002

Card 2/2

OBRAZTSOVA, Z.A.

Age correlation of lamprophyres and polymetallic mineral deposits of  
the Nerchinskiy Zavod ore field in eastern Transbaikalia. Vest.Len.un.  
11 no.6:73-79 '56. (MLRA 9:7)  
(Nerchinskiy zavod--Rocks, Igneous) (Nerchinskiy zavod--Ore deposits)

OBRAZTSOVA, Z.A.

Characteristics of primary complex metal ores in the Oktyabr'skoye  
deposit of the Nerchinskiy Zavod group (eastern Transbaikalia).  
(MIRA 11:3)  
Vest. LGU 12 no.18:43-60 '57.  
(Nerchinskiy Zavod District--Ore deposits)

OBRAZTSOVA, Z.A.

Small intrusions in the Narchinskiy Zavod ore deposit and associated complex mineralization (eastern Transbaikalia). Nauch.dokl.vys.shkoly; geol.-nauki no.4: 162-168 '58. (MIRA 12:6)

1. Leningradskiy universitet, geologicheskiy fakul'tet, kafedra poleznykh iskopayemykh.  
(Transbaikalia--Ore deposits)

OBRAZTSOVA, Z.A.

Hydrothermal metasomatic carbonates in the Merchinskiy Zavod  
ore deposits and their importance in prospecting [with summary  
in English]. Vest.LGU 13 no.18:5-14 '58. (MIRA 12:1)  
(Merchinskiy Zavod--Geochemical prospecting) (Carbonates)

OBRAZTSOVA, Z.A.

Interrelations between tungsten and complex mineralization in the  
Tsentrals'noye deposit (eastern Transbaikalia). Sov. geol. 3 no.3:75-  
88 Mr '60.  
(MIRA 13:11)

1. Leningradskiy gosudarstvennyy universitet.  
(Transbaikalia--Petrology)

OBRAZTSOVA, Z.A.

Concerning the term "stage of mineralization." Vest.LGU no.24:57-  
64 '62. (MIRA 16:2)  
(Mineralogy)

OBRAZTSOVA, Z.

Letter to the editors. Sov.geol. 6 no.12:158-159 D '63.  
(MIRA 16:12)

OBRAZTSOVA, Z.A.

Sergei Ivanovich Taldykin; 1895-1963; obituary. Zap. Vses. zin.  
ob-vn 93 no.1:114-117 '64 (MIRA 18:2)

OBRAZUMOV, P. A. (Engr.)

"The Automatization of Maritime Navigation,"

paper presented at the Sixth International Congress on Communications, Genoa, Italy,  
6-12 Oct. 1958.

OBRAZUMOV, P.A.; STUPAKOVA, L.A., red.

[Memorandum book of a ship's radio operator] Pamiatnaia  
knizhka sudovog radista. Moskva, Transport, 1965. 157 p.  
(MIRA 18:7)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001237720003-6

OBRDA, K.

KARPIN, B.; OBRDA, K.

Rehabilitation. Cesk.nemoc. 17 no.10:297-303 D '49. (CML 19:3)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001237720003-6"

OBRDA K.  
2195

Neurolog. klin. Karlovy univ. v Praze Sclerosis tuberosa Tuberous sclerosis Neurol. Psychiat. c sl. 1950, 13/5 (284-288) Illus. 2

Three cases are described. Two of them are quite typical. One is of greater interest because of the unusual course. Besides the symptoms of sclerosis tuberosa there were signs of intracranial hypertension with papilloedema up to 1/4 D. Ventriculography showed hydrocephalic dilatation of the lateral ventricles, very probably as the result of the obturation of the interventricular foramen. The patient refused surgery and the signs of cranial hypertension disappeared spontaneously. The patient is still alive and now only shows the symptoms of Bourneville's disease.

Jirout - Prague

So: EXCERPTA MEDICA, Section VIII, Vol. 5, No. 6, June 1952

OHRDA, K.  
1232

Statni fak. nemocnice v Praze, odbocka v Praze III, neurol. klin. univ. Karlovy, II path.-anat. ustavu Univ. Karlovy, Intrakraniální epidermoid napodobující roztroušenou mozkovou sklerosu Intracranial dermoid imitating multiple sclerosis Neurol. Psychiat. cel. 1950, 13/6 (316-322) Illus. 8

Description of a case with several typical remissions in the 6-year course and other signs leading to the diagnosis of multiple sclerosis. At autopsy a dermoid was found, growing into pons, medulla oblongata, cerebellum and cervical cord. The brother of the patient is still alive and is suffering from symptoms very suggestive of multiple sclerosis.

Jirout - Prague

Se: Excerpta Medica, Section VIII, Vol. 5, No. 4, April 1952

OBRDA, K.

LESNY, I.; DRECHSLER, B.; OBRDA, K.

[Action potentials in deafferented areas] Akcni potencialy v oblastech deafferentovanych. Cas. lek. cesk. 89 no.13:369-372 31 Mr'50. (CLML 19:1)

l. Of the Neurological Clinic of Charles University (Head -- Prof. K.Henner).

*OBRDA, K.*

LESNY, I.; DRECHSLER, B.; OBRDA, K.

*Electromyography in disorders of deep sensibility. Neur. &  
psychiat. cesk. 14 no.1:21-27 Feb 1951. (CIML 20:11)*

1. Of the Neurological Clinic (Head -- Prof. K. Henner, M.D.)  
of Charles University, Prague.

OBRDÁ, K.

Possibility of tricresylphosphate poisoning in production and  
treatment of igelit. Pracovní lek. 4 no.2:164-165 May 1952. (CLML 23:4)

l. Of the Neurological Clinic (Head--Prof. Henner, M.D.) of Charles  
University, Prague.

*OBRDA*

DRINGSLER, Dr.; OBRDA, Dr.

Electromyographical findings in poliomyelitis. Cas.lék.česk.<sup>44</sup> no.13:  
319-323 25 Mar 55.

1. Neurologicka klinika K.U., predn. akad. K.Henner.  
(POLIOMYELITIS, diagnosis  
electromyography)  
(ELECTROMYOGRAPHY, in various diseases  
polio.)

OBRDA, K., MUDr.

Rehabilitation in neurology. Cesk. neur. 19 no.4:219-220  
Nov 56.

1. Neurologicka klinika KU Praha, prednosta akademik K. Henner.  
(NERVOUS SYSTEM, diseases,  
rehabil.(Cs))  
(REHABILITATION, in various diseases,  
nervous system dis. (Cs))

DRECHSLER, B., Dr.; CHODOUNSKA, H., Instruktorka; OBRDA, K., Dr.

Conservative therapy of facial paralysis. Cesk. neur. 19 no.4:  
234-241 Nov 56.

1. Neurologicka klinika KU v Praze, prednosta akademik K. Henner.  
(FACIAL PARALYSIS, therapy,  
conservative (Cz))

STARY, O.; OBRDA, K.

Current concepts in treatment of discopathy. Cas. lek. cesk. 97 no. 18:  
561-568 2 May 58.

1. Neurologicka klinika KU v Praze, prednosta akademik K. Henner.  
O. S. Praha 2, Katerinska 30.  
(INTERVERTEBRAL DISK DISPLACEMENT, ther.  
(Cz))

MIRATSKY, Z.; OBREDA, K.; BERANKOVA, M.; CHODERA, R.; STAHY, O.

Significance of cervical reflexes in the re-education of hemiplegic patients. *Cesk. neur.* 22 no.6:358-366 N '59.

1. Neurologicka klinika KU v Praze, prednosta akademik Kamil Henner.  
(HEMIPLEGIA rehabil.)  
(NECK physiol.)

MIRATSKY, Zdenek; OBRODA, Karel; STARY, Oldrich

Reflex therapy of spastic paralysis. Cas. lek. cesk. 99 no.17:  
520-527 22 Ap '60.

1. Neurologicka klinika MU v Praze, prednosta akademik prof. dr.  
Kamil Henner.  
(PARALYSIS SPASTIC ther.)  
(REFLEXOTHERAPY)

KUCHEL, O.; KANDRAC, M.; KAPITOLA, J.; DUBOVSKY, J.; OBRDA, K.; NEVSIMAL, O.

Some new views on hypokalemic muscular paralysis. Cas.lek.cesk 99  
no.52:1609-1616 23 D '60.

1. III interni klinika a Laborator pro endokrinologii a metabolismus  
Fakulty vseobecneho lekarstvi v Praze, prednosta akademik J. Charvat.  
Neurologicka klinika a laborator pro patofiziologii nervoveho systemu  
Fakulty vseobecneho lekarstvi v Praze, prednosta akademik K. Henner.

(PARALYSIS blood) (POTASSIUM blood)

OBRDA, K.

Current status and views on rehabilitation of patients with cranio-cerebral injuries. Rozhl. chir. 41 no.9:628-630 S '62.

1. Neurologicka klinika fak. vseob. lek. KU v Praze, prednosta akademik  
K. Henner.  
(BRAIN INJURIES ACUTE) (REHABILITATION)

CZECHOSLOVAKIA

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"Polyelectromyographic Study of Disturbances of Proprioceptive Analysis in Incipient Discopathies in Children."

Prague, Ceskoslovenska Neurologie, Vol 26, No 2, 1963; pp 81-87.

Abstract [English summary modified]: Polyelectromyographic study of 8 muscle groups in each of 30 grammar school children, along with complete clinical examination. There were functional disturbances of the spine noted in 20: slight scoliosis, sacro-iliac displacements and similar early defects. These were mostly accompanied by asymmetric electromyographic patterns, with a statistically significant degree of correlation between the 2 criteria. Four electromyograms, 4 graphs; 4 Czech and 6 Western references.

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